

25

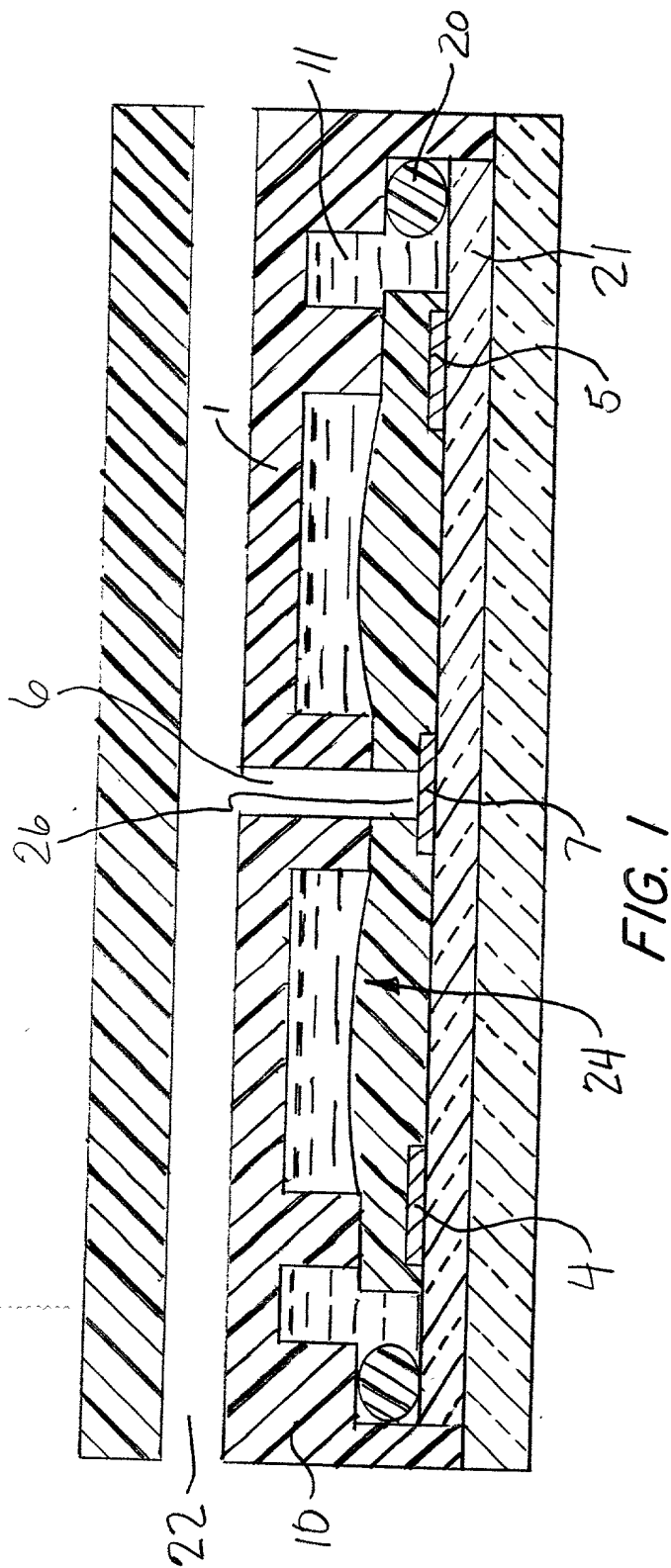


FIG. 1

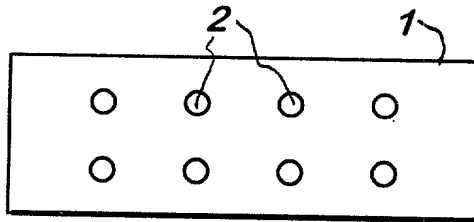


FIG. 2

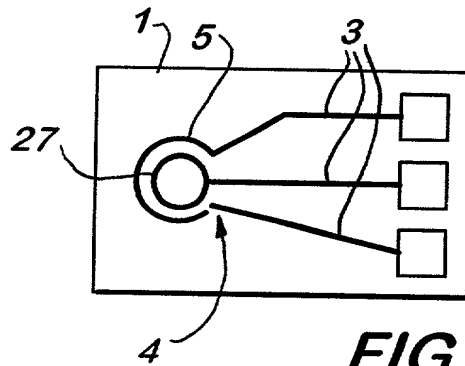


FIG. 3

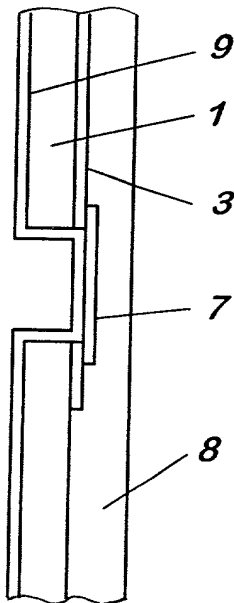


FIG. 4

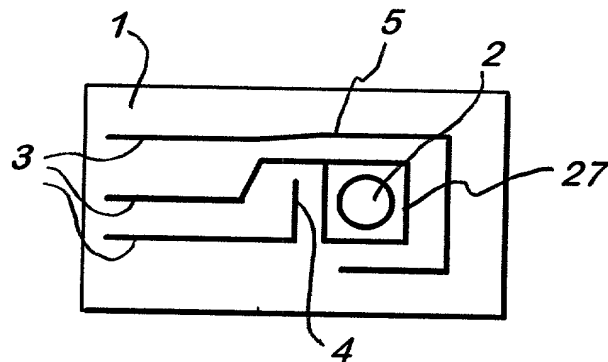


FIG. 5

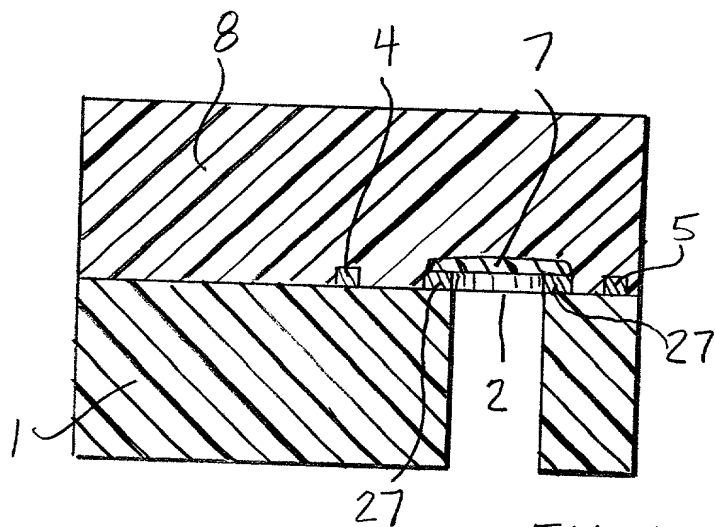


FIG. 6

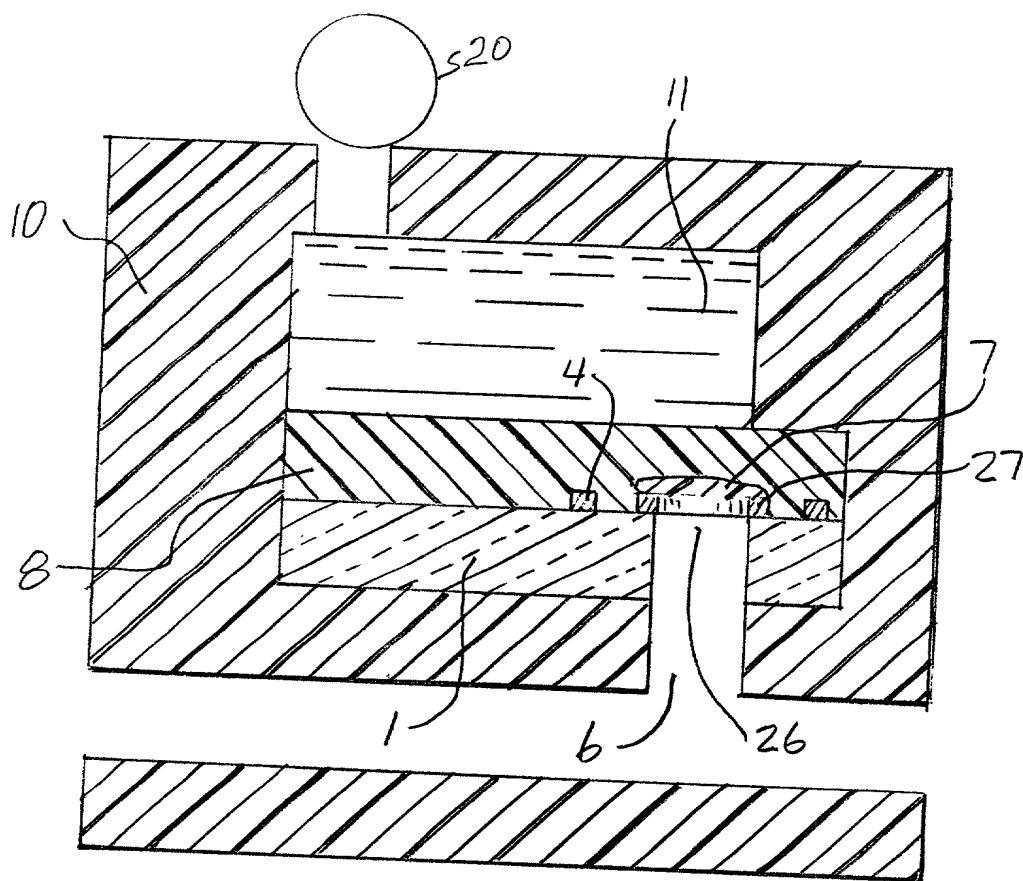


FIG. 7

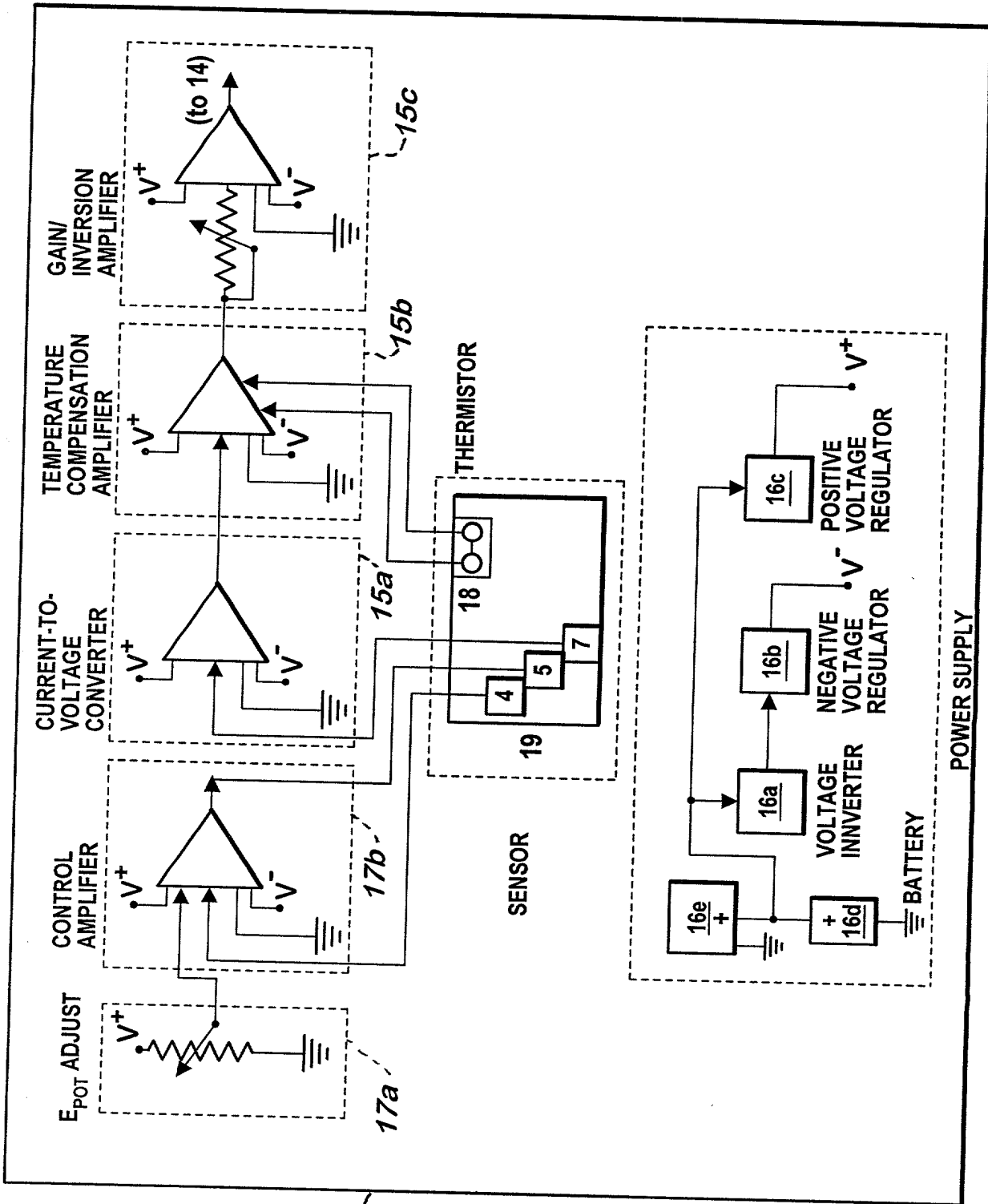


FIG. 8

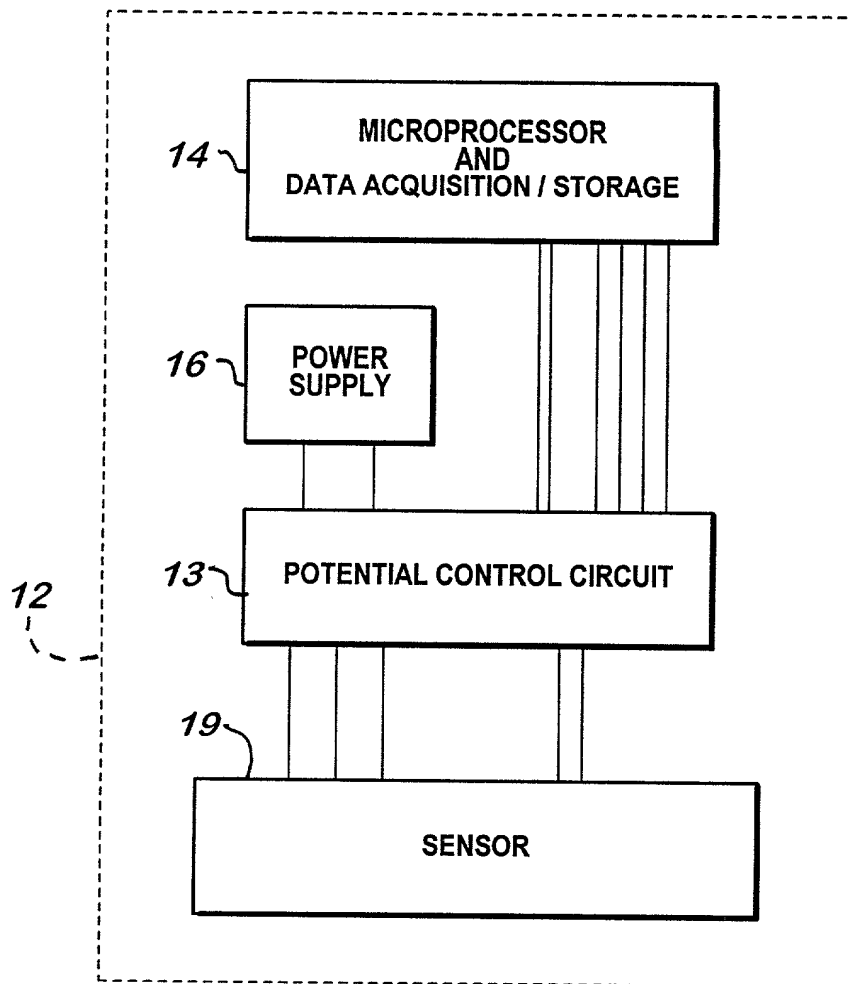


FIG. 9

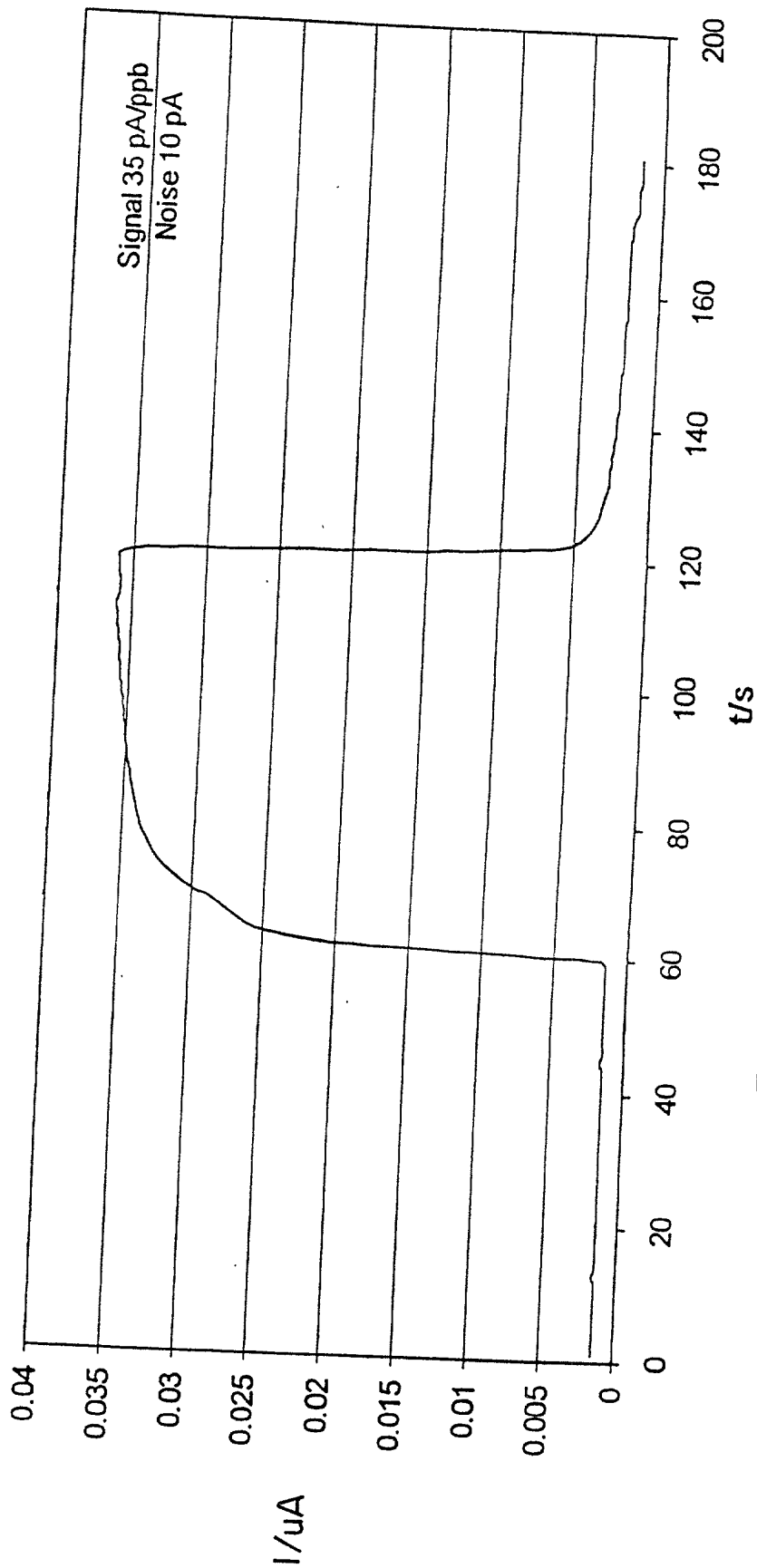


FIG. 10

0.01
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
0

0.01

0.009

0.008

0.007

0.006

0.005

0.004

0.003

0.002

0.001

0

I/uA

All Labels Denote Time after Previous Run

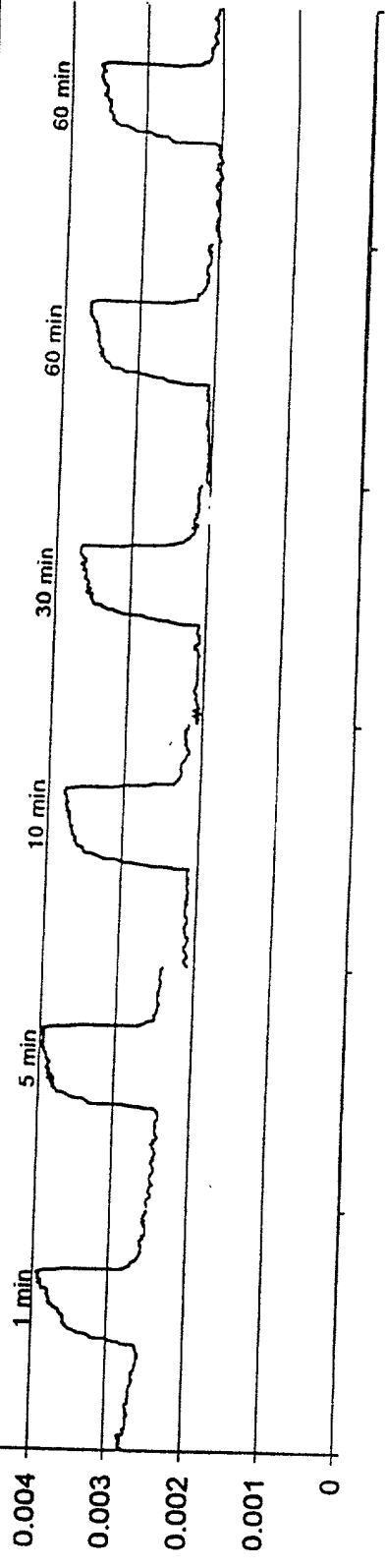


FIG. 11

Figure 12 shows the current response of the sensor to a step change in humidity from 10% RH to 100% RH. The current increases sharply and then stabilizes at a higher value. The time constant of the sensor is approximately 100 seconds.

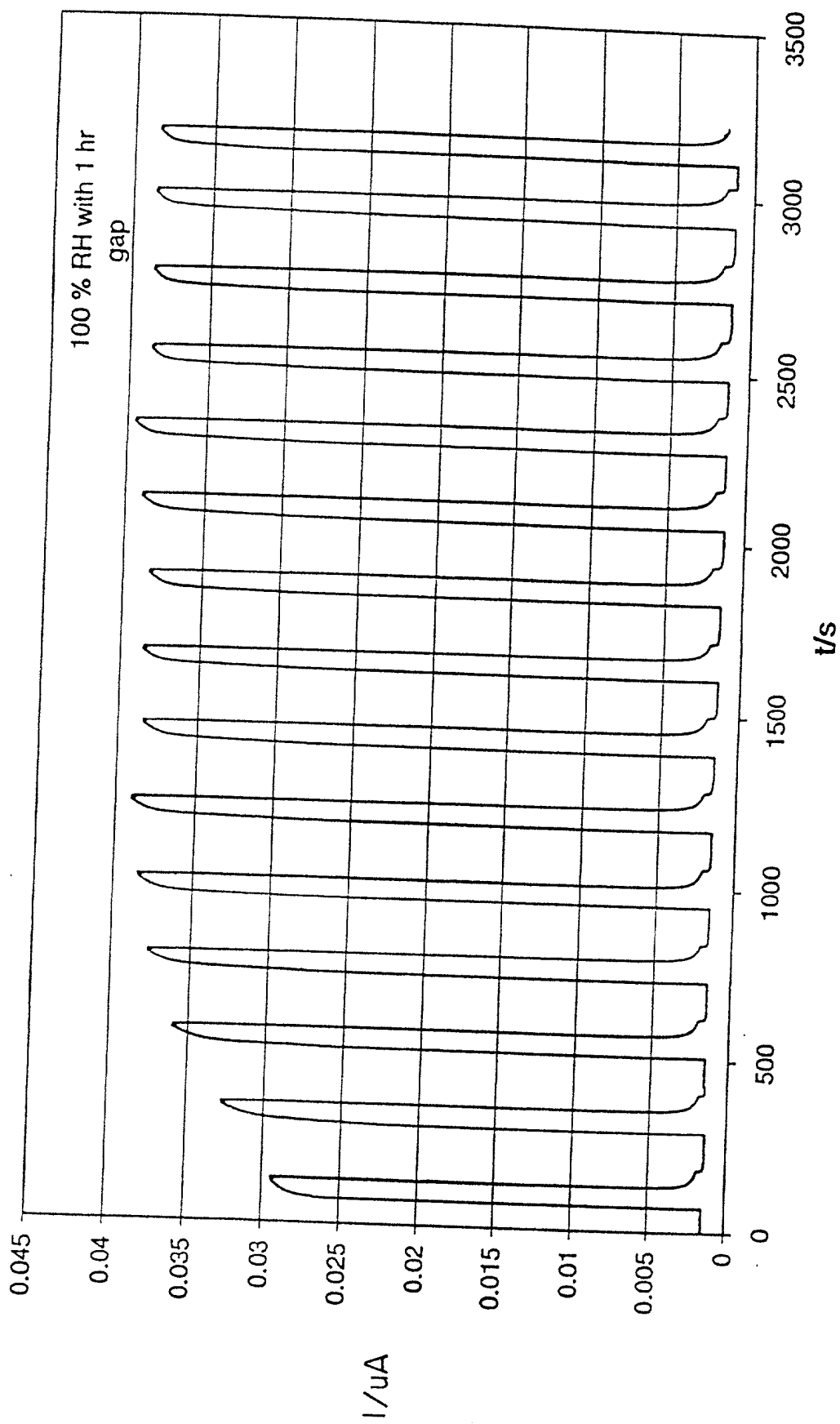


FIG. 12

FIG. 13

